

#1

U.S. ENVIRONMENTAL PROTECTION AGENCY
 POLLUTION/SITUATION REPORT
 Kinder Morgan Pipeline Belton - Removal Polrep
 Initial Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 Region IV

Subject: POLREP #1
 Initial POLREP
 Kinder Morgan Pipeline Belton

Belton, SC
 Latitude: 34.5426700 Longitude: -82.5055500

To:

From: Jason Booth, FOSC

Date: 1/21/2015

Reporting Period: 12/9/2014-12/11/2014

1. Introduction

1.1 Background

Site Number:	Z4ZI	Contract Number:	
D.O. Number:		Action Memo Date:	
Response Authority:	OPA	Response Type:	Emergency
Response Lead:	EPA	Incident Category:	
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	12/9/2014	Start Date:	12/9/2014
Demob Date:	12/11/2014	Completion Date:	12/11/2014
CERCLIS ID:		RCRIS ID:	
ERNS No.:	1102954	State Notification:	
FPN#:	E15408	Reimbursable Account #:	

1.1.1 Incident Category

Emergency Response

1.1.2 Site Description

The pipeline leak occurred in a agricultural field in a rural area. A home is located approximately 100 yards from the incident.

1.1.2.1 Location

The pipeline leak is located approximately 1,000 feet south of an unnamed tributary which empties Browns Creek which empties into Broadway Creek which empties into Broadway Lake. Broadway Lake empties into the Rocky River. The site is located in Belton, Anderson County, South Carolina.

1.1.2.2 Description of Threat

The leaking pipeline poses a threat to enter the unnamed tributary.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

Kinder Morgan created NRC Report #1102954 on Dec 8, 2014. The report stated that gasoline had discharged from a 26 inch pipeline due to unknown causes. OSC Booth mobilized to the site on Dec 9, 2014 to conduct oversight of the damaged pipeline repair and remediation.

2.1.2 Response Actions to Date

Crews cleared areas around the damaged pipeline to make repairs. A total of 7,389 gallons of gasoline have been recovered from the excavated area around the pipeline. Contaminated soils are being loaded into lined roll off containers for disposal. Test pits were excavated between the known leak and the tributary to check for signs of migration. No gasoline has been observed in the test pits near the unnamed tributary. Air quality is constantly being monitored for benzene and VOCs. Media attention has been moderate.

SC DHEC will continue to oversee repair and remediation of soils.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

PRPs are conducting the cleanup activities.

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
gasoline		7,389 gal			
gasoline	soils	unknown			

2.2 Planning Section

2.2.1 Anticipated Activities

Kinder Morgan will continue to repair damaged pipeline and excavate contaminated soils. SC DHEC will provide oversight of activities.

2.2.1.1 Planned Response Activities

Kinder Morgan's contractors will continue to conduct long term remediation at the site.

2.2.1.2 Next Steps

2.2.2 Issues

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

No information available at this time.

3. Participating Entities

3.1 Unified Command

3.2 Cooperating Agencies

SC DHEC

4. Personnel On Site

Kinder Morgan

LE Belle

CH2MHill

EPA

SC DHEC

5. Definition of Terms

No information available at this time.

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.

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U.S. ENVIRONMENTAL PROTECTION AGENCY
 POLLUTION/SITUATION REPORT
 Kinder Morgan Pipeline Belton - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 Region IV

Subject: POLREP #2
 Progress
 Kinder Morgan Pipeline Belton

 Belton, SC
 Latitude: 34.5426700 Longitude: -82.5055500

To:
From: Jason Booth, FOSC
Date: 1/26/2015
Reporting Period: 1/21/2015-1/23/2015

1. Introduction

1.1 Background

Site Number:	Z4ZI	Contract Number:	
D.O. Number:		Action Memo Date:	
Response Authority:	OPA	Response Type:	Emergency
Response Lead:	EPA	Incident Category:	
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	1/21/2015	Start Date:	12/9/2014
Demob Date:	1/23/2015	Completion Date:	
CERCLIS ID:		RCRIS ID:	
ERNS No.:	1102954	State Notification:	
FPN#:	E15408	Reimbursable Account #:	

1.1.1 Incident Category

Emergency response to a pipeline spill.

1.1.2 Site Description

The pipeline leak occurred in a agricultural field in a rural area of Belton, South Carolina. A home is located approximately 100 yards southeast of the leak. The pipeline leak is located approximately 1,000 feet southeast of an unnamed tributary which empties Browns Creek which empties into Broadway Creek which empties into Broadway Lake. Broadway Lake empties into the Rocky River.

1.1.2.1 Location

The site is located approximately 300 feet east of the Lewis Road and West Calhoun Road intersection in Belton, Anderson County, South Carolina. The leak occurred on the pipeline adjacent and north of Lewis Drive.

1.1.2.2 Description of Threat

The pipeline spilled gasoline which poses a potential threat to enter the unnamed tributary. The gasoline

also poses a hazard to a house located approximately 100 yards southeast of the spill.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

Kinder Morgan created NRC Report #1102954 on Dec 8, 2014. The report stated that gasoline had discharged from a 26 inch pipeline due to unknown causes. OSC Booth mobilized to the site on Dec 9, 2014 to conduct oversight of the damaged pipeline repair and remediation.

2.1.2 Response Actions to Date

OSCs Neal and Harper arrived on site on January 21, 2015. Kinder Morgan's contractors were on site conducting ongoing fuel recovery operations from the recovery wells installed on site during the initial emergency response, approximately 115,000 gallons of gasoline have been recovered. The EPA OSC responded back to the Kinder Morgan Pipeline Belton site because of an additional NRC report of gasoline entering the unnamed creek near the slip location. EPA OSC verified that a sheen was on the creek and it was caused by gasoline seeping out of the hillside into the creek. Before the EPA OSC arrived on site, three sets of hard boom and seven sets of absorbent boom were set in the unnamed tributary of Browns Creek. While the EPA was on site the contractors cut a new road through the woods to the creek. They began to dig an interceptor trench and place recovery wells adjacent to the creek. One recovery well in the field between the initial spill location and the creek. Additional hard boom was delivered to site and set across the creek in two more locations. The consultants worked to identify horizontal extent of the gasoline plum using a PID and also assisted in the placement and depth of the recovery trench and wells at the creek.

By 1/22/2015, Kinder Morgan completed the interceptor trench and recovery wells adjacent to the creek. Today an additional seep was discovered along the creek bank and an additional recovery well will be installed at the seep. Their contractors adjusted maintained the existing boom sets in the creek and removed and replaces absorbent booms as needed. Silt fencing was installed between the newly constructed road and the creek. A drill rig was on-site installing temporary wells to help identify the underground plums path from the pipe to the creek. The crews continued recovery operations at designated recovery points in the creek as well as continues to conduct operations and maintenance of the recovery wells at the spill location. As of 1/22/2015, a total of 120,000 gallons of gasoline have been recovered and shipped of site to a fuel recovery facility. By 1/23/2015, Kinder Morgan completed two additional recovery wells at the creek. Their contractors finished a road for the vacuum truck to reach the recovery trench at the creek and began to recovery fuel from those recovery well. A drilling crews continued to install temporary wells to identify the extent of the plume. And the recovery from the existing recovery wells continued near the spill location. EPA OSC demobilized from the site on Friday, SCDEH will continue to monitor the progress of the recovery operation.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

PRPs are conducting the cleanup activities.

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
gasoline		120k gal			
gasoline	soils	unknown			

2.2 Planning Section

2.2.1 Anticipated Activities

Kinder Morgan will continue to collect and recovery gasoline from the tributary and soils. SC DHEC will provide oversight of activities.

2.2.1.1 Planned Response Activities

Kinder Morgan's contractors will continue to conduct long term remediation at the site.

2.2.1.2 Next Steps

2.2.2 Issues

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

No information available at this time.

3. Participating Entities

3.1 Unified Command

3.2 Cooperating Agencies

SC DHEC

4. Personnel On Site

Kinder Morgan
CH2MHill

EPA
SC DHEC

5. Definition of Terms

No information available at this time.

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.

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OSC ON SCENE
COORDINATOR

KINDER MORGAN PIPELINE BELTON



Description: silt fence and boom deployment

Date Taken: 1/23/2015

Category: Site Photo

Latitude: 34.545625

Longitude: -82.5047083333333

Tags:

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2018 - EPA OSC Response



KINDER MORGAN PIPELINE BELTON



Description:extraction trench

Date Taken: 1/23/2015

Category: Site Photo

Latitude: 34.545625

Longitude: -82.5047083333333

Tags:



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KINDER MORGAN PIPELINE BELTON



Description:extraction trench

Date Taken: 1/23/2015

Category: Site Photo

Latitude: 34.5451861111111

Longitude: -82.5044777777778

Tags:

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2018 - EPA OSC Response

OSC ON SCENE
COORDINATOR

KINDER MORGAN PIPELINE BELTON



Description:product in water

Date Taken:

Category: Site Photo

Latitude:

Longitude:

Tags:

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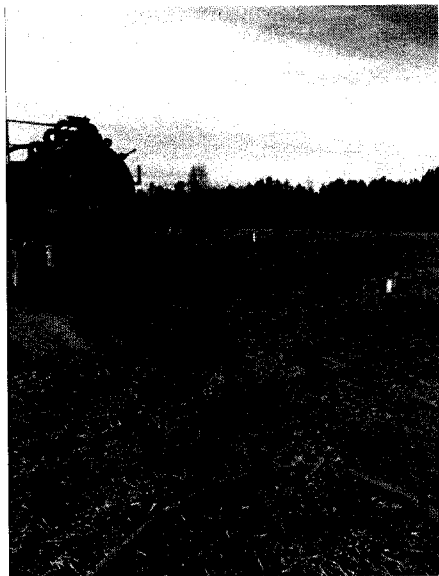
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KINDER MORGAN PIPELINE BELTON



Description:extraction well recovery

Date Taken: 1/22/2015

Category: Site Photo

Latitude: 34.5447388888889

Longitude: -82.5074916666667

Tags:

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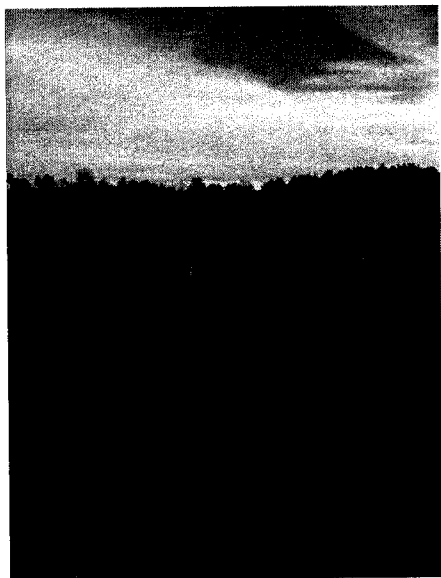
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2018 - EPA OSC Response



KINDER MORGAN PIPELINE BELTON



Description:extraction wells

Date Taken: 1/22/2015

Category: Site Photo

Latitude: 34.5444666666667

Longitude: -82.5076611111111

Tags:

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2018 - EPA OSC Response



KINDER MORGAN PIPELINE BELTON



Description:extraction trench

Date Taken: 1/22/2015

Category: Site Photo

Latitude: 34.5454472222222

Longitude: -82.5045388888889

Tags:

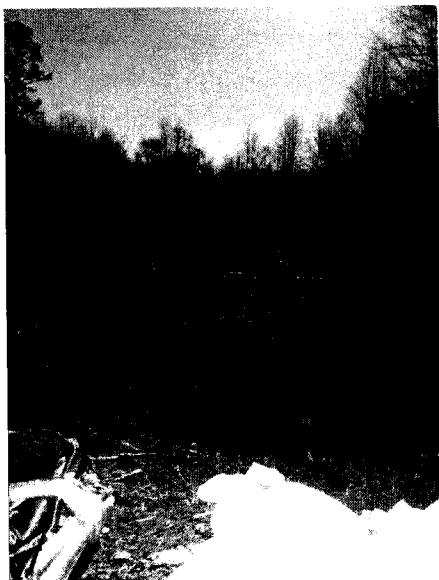


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KINDER MORGAN PIPELINE BELTON



Description: boom deployment

Date Taken:

Category: Site Photo

Latitude:

Longitude:

Tags:

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2018 - EPA OSC Response



KINDER MORGAN PIPELINE BELTON



Description:boom deployment

Date Taken:

Category: Site Photo

Latitude:

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Tags:

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2018 - EPA OSC Response

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FPN: E15408

Incident Name: Kinder Morgan Pipeline Belton

Location: Belton, Anderson County, SC

USCG District: 7th

OSC: Jason Booth

311: 20 Questions

- 1) Provide the time and date of oil or hazardous substance discharge, and the time and date of discovery that the discharge was reaching or threatening a waterway.
According to NRC report # 1102954, gasoline had discharged from a 26 inch pipeline on Dec 8, 2014.
- 2) The time and date of the response to the discharge by EPA, START, and the PRP if applicable. Provide the name(s) of any contractor(s) employed.
The EPA mobilized to the site on Dec 9, 2014 and met with SCDHEC, Kinder Morgan and their contractors.
- 3) The type of discharge (oil or hazardous substances), the type of oil or the chemical name and formula, the total amount of discharge in gallons, barrels, pounds, or kilograms; and the total number of days of discharge. If the solution discharged was a mixture, please give the percentages of substances in the mixture or solution.
Discharge was gasoline from a pipeline.
- 4) The location of the discharge including street address, city, county, and state.
Near the intersection of Lewis Road and West Calhoun Road in Belton, Anderson County, South Carolina.
- 5) The description of the facility or vessel from which the material was discharged (i.e. pipeline, tank, well, ship, container, etc.).
26 inch pipeline
- 6) The total storage capacity (gallons, barrels, pounds, kilograms, etc.) of the facility or vessel responsible for the discharge.
Total capacity is not known.
- 7) Did the oil or hazardous substances discharge into water?
The discharge did make it to an unnamed tributary which empties Browns Creek which empties into Broadway Creek which empties into Broadway Lake. Broadway Lake empties into the Rocky River.

FPN: E15408

Incident Name: Kinder Morgan Pipeline Belton

Location: Belton, Anderson County, SC

USCG District: 7th

OSC: Jason Booth

- a. Please indicate the location, in relation to the facility or vessel responsible for the discharge, of the first water reached.

The unnamed tributary that was impacted was located 1,000 feet east of the spill.

- b. If not already in water, what is the distance between the source of discharge and the nearest water body?

See above.

- c. Give the quantity of oil or hazardous substances reaching the water.

Unknown

- d. Give the quantity of oil or hazardous substances that did not reach the water.

Approximately 7,000 gallons of gasoline have been recovered

- e. Describe the type of waterway affected (i.e. mudflat, sandflat, wetland, ditch, creek, bayou, tributary, stream, river, lake, etc.). Give the name of the waterway and bodies of water to which it connects.

The discharge did make it to an unnamed tributary which empties Browns Creek which empties into Broadway Creek which empties into Broadway Lake. Broadway Lake empties into the Rocky River.

- f. Provide a physical description of the receiving waters, including depth, width, and flow rate.

Unknown

- g. Indicate if any of the water bodies or connecting water bodies, as described above, are used for commerce, recreation, agriculture, etc.

Lake Broadway and Rocky River are used for recreation.

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Incident Name: Kinder Morgan Pipeline Belton

Location: Belton, Anderson County, SC

USCG District: 7th

OSC: Jason Booth

- h. List any sensitive environments (i.e. wetlands), endangered species, water wells and/or drinking water intakes impacted or potentially impacted by the discharge.

Unknown

- 8) Document how this spill violated the Clean Water Act.

Gasoline into water

- 9) Describe in detail what actually caused the discharge.

A leak in a pipeline.

- 10) Describe the damage to public health and the environment as a result of the spill.

How many feet, miles, etc., of land and water were affected by the discharge?

Was there observed damage to the terrestrial and aquatic biota and vegetation?

Were any drinking water intakes forced to close? Were any persons required to evacuate? If yes, describe the damage.

Sheen was viewed as being a hundred feet long and 20 feet wide. No drinking water intakes were closed. Residents of a home across from the spill evacuated for a couple nights.

- 11) Describe the procedures taken to clean up the discharge and to mitigate the environmental damage and public health threats. Include dates and times for the individual procedures.

Contractors dug interceptor trenches to collect the gasoline.

- 12) List the federal and state agencies contacted by the owner or operator at the time of the discharge. Also include the agency's location (mailing address, city, county and state), the date and time of notification, and the name of the official contacted.

The responsible party notified the NRC on Dec 8, 2014.

- 13) State whether an SPCC inspection was conducted and describe any findings.

SPCC was not performed because the spill was from a pipeline.

- 14) Document the spill history of the facility and list the discharges which have occurred at this facility within the past five years using the following table.

FPN: E15408

Incident Name: Kinder Morgan Pipeline Belton

Location: Belton, Anderson County, SC

USCG District: 7th

OSC: Jason Booth

DATE	AMT DISCHARGED	AMT IN WATER	SOURCE & CAUSE
NA			

- 15) Provide the name, title, home address, and home/work telephone number(s) of the owner(s) of the vessel or facility responsible for the discharge.

Kinder Morgan

- 16) Provide the name, title, home address, and home/work telephone number(s) of the operator(s) of the vessel or facility responsible for the discharge if different from the owner, and the relationship between the owner and operator (i.e. employee, contractor, subcontractor, lessee, etc.)

Kinder Morgan

- 17) Provide the names, titles, home addresses, and home/work telephone numbers of the persons who have knowledge of the facts concerning the spill as an attachment to the report labeled "Table of Witnesses". Include EPA, State, and local officials, START/Strike Team members, other Federal agencies, the company, and the cleanup contractor in the table.

Kinder Morgan

EPA – Jason Booth, Greg Harper

SCDEHC

- 18) Does the owner or operator have a National Pollutant Discharge Elimination System (NPDES) permit or any other discharge permit provided by the local, state, or federal government? If yes, name and describe the permit.

NA

- 19) Has the facility ever been assessed a fine for this incident or any other discharge by any other government entity (i.e. city, county, state, federal)? If yes, name the agency or agencies that have assessed a fine(s) on the facility or vessel, and the date(s) when the fine(s) was assessed.

Unknown

- 20) Include the Federal Project Number on the title (cover) sheet of the incident summary report.

FPN: E15408

Incident Name: Kinder Morgan Pipeline Belton

Location: Belton, Anderson County, SC

USCG District: 7th

OSC: Jason Booth

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